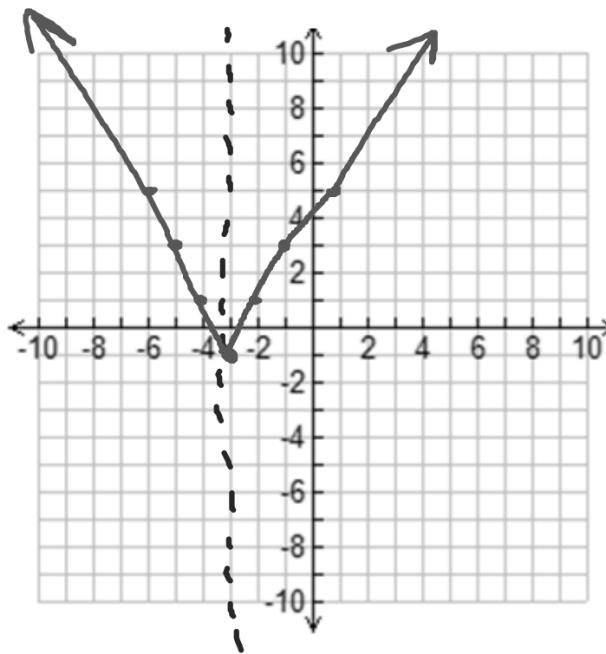


Bellwork - 10/24/12

graph the following
absolute value function



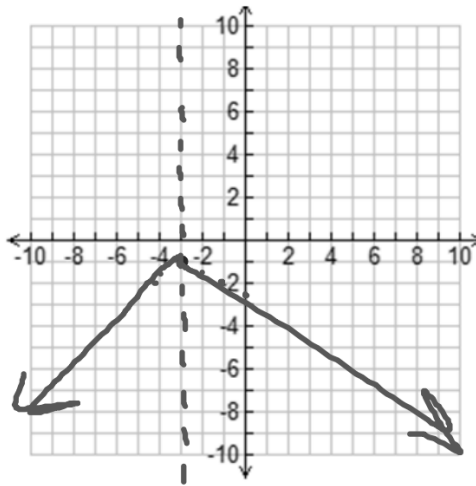
$$y = 2|x + 3| - 1$$

$$a = 2$$

$$h = -3$$

$$k = -1$$

7) $y = -\frac{1}{2}|x+3| - 1$



$$a = -\frac{1}{2}$$

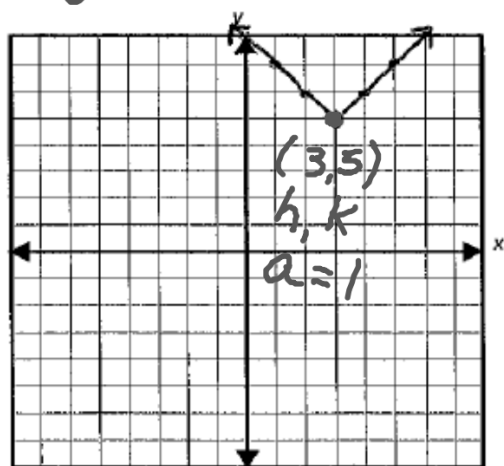
$$h = -3$$

$$k = -1$$

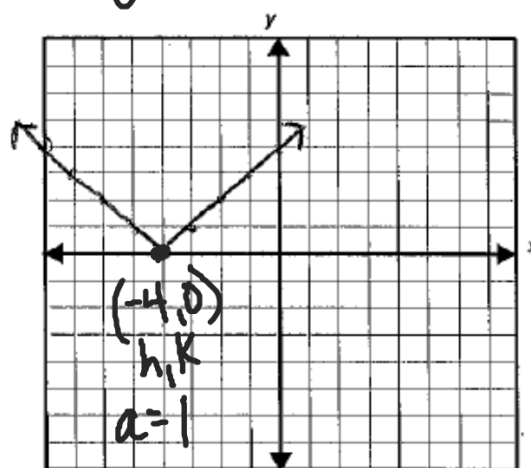
over 1 ~~up 1~~ down $\frac{1}{2}$
 over 2 ~~up 2~~ down 1
 over 3 ~~up 3~~ down 1.5

Find the equation of each graph shown below:

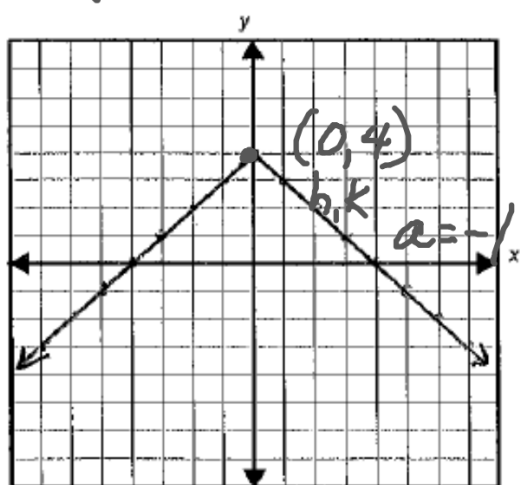
7. $y = 1|x - 3| + 5$



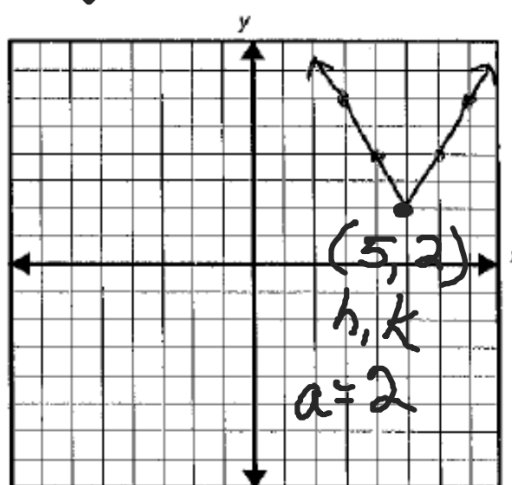
8. $y = |x + 4|$



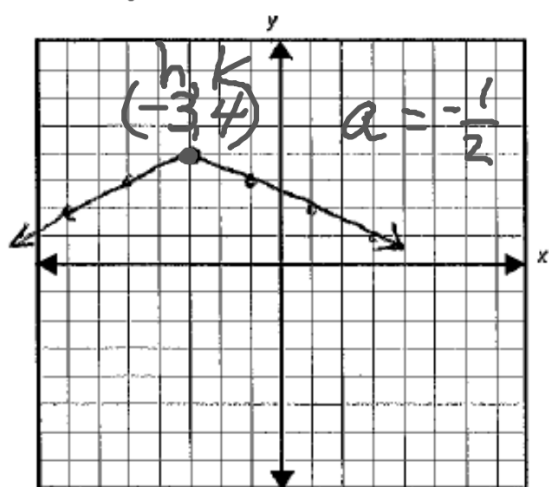
9. $y = -1|x| + 4$



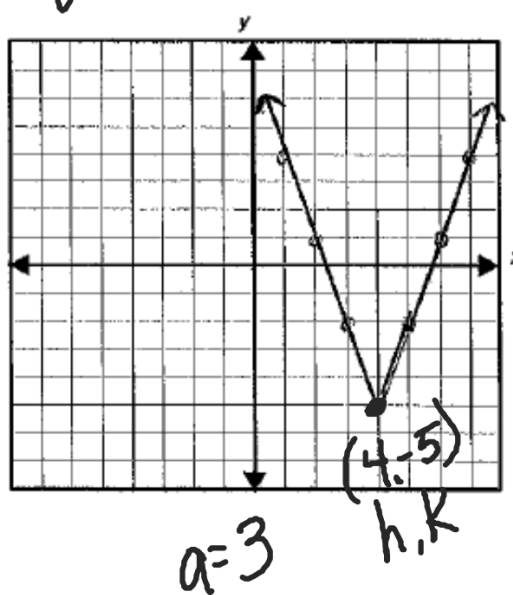
10. $y = 2|x - 5| + 2$



11. $y = -\frac{1}{2}|x+3|+4$



12. $y = 3|x-4|-5$



$$1) y = |x-2|+1$$

$$2) y = |x+4|-4$$

$$3) y = -|x-4|+6$$

$$4) y = 2|x+2|-1$$

$$5) y = \frac{1}{2}|x-4|-4$$

$$6) y = -2|x+5|+7$$

$$7) y = 3|x|-5$$

$$8) y = -\frac{1}{3}|x+2|+8$$

$$9) y = |x-4|+6$$

$$10) y = 2|x+2|-8$$

$$11) y = -3|x|+5$$

$$12) y = |x-5|$$

Homework: 10/24/12

complete quiz review

$$D: (-\infty, \infty)$$

$$R: [0, \infty)$$

